



MOOVAIR®

CENTRAL-MOOV

**CENTRALLY DUCTED
COLD CLIMATE
HEAT PUMP SYSTEM**



UP TO

19

SEER2



HEATING
PERFORMANCE
DOWN TO

-30°C*

*From 69 to 76% of rated heating capacity at -30°C. Refer to capacity tables for more information.



HEAT+

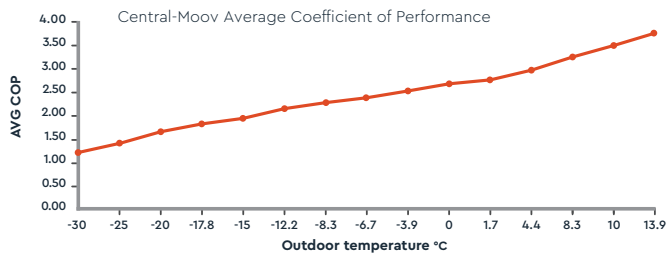


Experience whole-home harmony

Moovair® products are designed for the Canadian climate with your comfort and well-being in mind. A Central-Moov cold climate heat pump system maintains the serenity of your home by keeping you cozy all year round in whisper-quiet, energy efficient comfort.

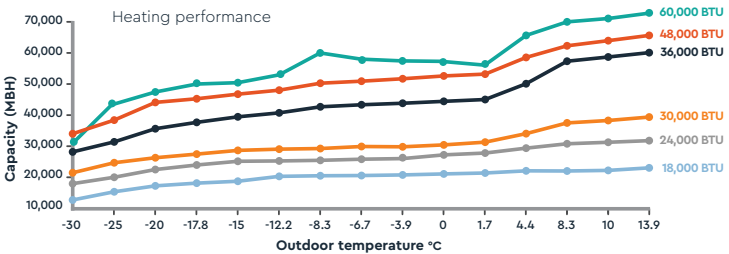
Epic performance

Central-Moov heat pump systems were built for epic performance thanks to energy-saving and Inverter drive technology. Its outstanding operation has earned a best-in-class ranking as well as recognition from organizations dedicated to the promotion of energy efficient appliances such as ENERGY STAR® and NEEP.



NRCAN and the Government of Canada define the Coefficient of Performance (COP) of a heat pump as the ratio between the rate at which the heat pump transfers thermal energy (in kW), and the amount of electrical power required to do the pumping (in kW). For example, if a heat pump used 1kW of electrical energy to transfer 3 kW of heat, the COP would be 3.

HEAT+ Extreme cold weather is no match for Central-Moov. Moovair's technology delivers optimal heat at low temperatures with minimal energy consumption. The Central-Moov Series units can achieve up to 100% of their rated capacity at -20°C while maintaining a high COP at temperatures as low as -30°C.



Inverter driven compressor

Innovative Inverter technology

Central-Moov heat pump systems incorporate the latest innovation in Inverter drive technology which saves energy by reducing the number of compressor stops and starts. Modulation increases by 1% increments up to 100% capacity to efficiently maintain the set temperature. This innovative technology ensures maximum comfort and energy efficiency.

Whisper-quiet operation

Home comfort is best enjoyed in peaceful, serene surroundings, whether inside or out. Central-Moov provides whisper-quiet performance inside, while the side discharge design of the outdoor unit provides ultra-quiet operation as low as 58 dB(A) outside allowing you to enjoy your outdoor space without unwanted noise.



Traditional central system: 73 dB(A) Central-Moov system: 58 dB(A)



Year-round comfort

Sub-zero temperatures and inclement weather are no match for Central-Moov's power packed condenser.

Small, but mighty

Central-Moov's compact, side discharge condenser is up to 40% smaller than traditional heat pumps. The smaller units offer greater flexibility for installation and a more aesthetically pleasing finished look.

Reliability you can count on

All Central-Moov systems are built to last and covered by one of the best warranties in the industry with a 10-year limited warranty on parts and compressor. 5 or 10-year labour warranty plans are available with a separate third-party purchase, please contact your dealer for details.



Whether you choose the new touchscreen ST1 thermostat or any other compatible thermostat, you can trust your Moovair® dealer to help you choose the model best suited to your needs.

Technical specifications

HEAT PUMP SYSTEM			18,000 BTU	24,000 BTU	30,000 BTU	36,000 BTU	48,000 BTU	60,000 BTU
Indoor model			MAHMA18R4AS1	MAHMA24R4AS1	MAHMA30R4AS1	MAHMA36R4AS1	MAHMA48R4AS1	MAHMA60R4AS1
Outdoor model			MSHMA18R2AN1	MSHMA24R2AN1	MSHMA30R2AN1	MSHMB36R2AN1	MSHMA48R2AN1	MSHMA60R2AN1
HEAT ⁺ Technology			✓	✓	✓	✓	✓	✓
Power supply		V/Ph/Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz	208-230V/1Ph/60Hz
Cooling	Capacity (range)	BTU/h	18,000 (5,600~22,000)	23,000 (7,200~27,000)	30,000 (12,800~39,000)	36,000 (9,700~42,000)	48,000 (15,600~51,000)	54,000 (11,400~56,300)
	EER2		12.5	11.7	11.7	11.7	10.5	10
	SEER2		19	18.3	16.8	17.3	16.5	16
Heating	Capacity (range)	BTU/h	19,000 (6,000~22,000)	23,000 (7,100~30,000)	34,000 (10,300~38,500)	37,000 (11,000~48,000)	50,000 (15,500~57,300)	56,000 (8,100~64,500)
	COP		3.2	3.33	3.65	3.6	3.4	3.1
	HSPF2 Region V (Region IV)		8 (9.7)	8 (10)	8.3 (10)	8.6 (10.3)	8 (9.5)	8 (9)
Max. fuse/breaker		A	20	20	30	30	40	40
Outdoor compressor type			Rotary	Rotary	Rotary	Twin-rotary	Twin-rotary	Twin-rotary
Indoor air flow (Turbo/Hi/Mi/Lo/Si)		m³/h	1050/980/900/830/n/a	1400/1290/1180/1070/n/a	1680/1520/1370/1210/n/a	2020/1840/1650/1470/n/a	2720/2500/2180/1860/n/a	3070/2690/2310/1930/n/a
		CFM	618/576.8/529.7/488.5/n/a	824/759.3/694.5/629.8/n/a	988.8/894.7/806.4/712.2/n/a	1189/1083/971.2/865.2/n/a	1601/1471.5/1283.1/1094.8/n/a	1807/1583.3/1359.7/1136/n/a
Indoor noise level (Turbo/Hi/Mi/Lo/Si)			dB(A)	n/a/44/39/33/n/a	n/a/44/42/28/n/a	47/46/44.5/27.5/n/a	49/48/45.5/25.5/n/a	n/a/52/49.5/34.5/n/a
Indoor unit	Dimension (W*D*H)	mm	445×534×1143	445×534×1143	534×534×1245	534×534×1245	622×534×1346	622×534×1346
		in	17.52×21.02×45	17.52×21.02×45	21.02×21.02×49.02	21.02×21.02×49.02	24.49×21.02×52.99	24.49×21.02×52.99
	Net/Gross weight	kg	48/57.5	47.9/57.8	58.5/69.6	58.7/69.8	73.9/86.6	73.9/86.6
		lb	105.82/126.76	105.60/127.43	128.97/153.44	129.41/153.88	162.92/190.92	162.92/190.92
Outdoor fan motor	Qty		1	1	1	1	1	2
	Speed (Hi/Mi/Lo)	r/min	780/700/550	810/700/450	950/850/750	800/750/650	850/800/750	1000/900/750
Outdoor noise level			dB(A)	59	60	60.5	62.5	65
Outdoor unit	Dimension (W*D*H)	mm	890×342×673	890×342×673	946×410×810	980×415×975	980×415×975	952×415×1333
		in	35.04×13.46×26.50	35.04×13.46×26.50	37.24×16.14×31.89	38.58×16.34×38.39	38.58×16.34×38.39	37.48×16.34×52.48
	Net/Gross weight	kg	46/49.5	46.4/49.5	74.4/79.2	92.6/106.7	91.2/105.4	110.2/124.8
lb		101.41/109.13	102.29/109.13	164.02/174.60	204.15/235.23	201.06/232.36	242.95/275.13	
Refrigerant precharge			oz (kg)	74.08 (2.1)	74.08 (2.1)	105.82 (3)	126.99 (3.6)	134.04 (3.8)
Refrigerant piping	Liquid side	mm (in)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)
	Gas side	mm (in)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)	19 (3/4)
	Max. refrigerant pipe length	m (ft)	30 (98.4)	50 (164)	50 (164)	75 (246)	75 (246)	75 (246)
	Max. difference in level	m (ft)	20 (65.6)	25 (82)	25 (82)	30 (98.4)	30 (98.4)	30 (98.4)
Moisture removal			L/h	1.65	2.05	2.77	3.4	3.85
Thermostat type (sold separately)			Wired control	Wired control	Wired control	Wired control	Wired control	Wired control
Indoor room	Set point range	°C (°F)	16~32 (60~90)	16~32 (60~90)	16~32 (60~90)	16~32 (60~90)	16~32 (60~90)	16~32 (60~90)
Outdoor	Outdoor temperature range of operation (cooling)	°C (°F)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)
	Outdoor temperature range of operation (heating)	°C (°F)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)
Outdoor refrigerant type			R454B	R454B	R454B	R454B	R454B	R454B
ENERGY STAR® V6.1			✓	✓	✓	✓	✓	✓
ENERGY STAR® V6.1 Cold Climate			✓	✓	✓	✓	✓	✓

Product specifications may change without notice.
The ENERGY STAR® name and the ENERGY STAR symbol are trademarks registered in Canada by the United States Environmental Protection Agency.



Moovair® has become the fastest growing line of ductless products in Canada.

Backed by over 70 years of HVAC experience, Moovair® was developed with the harsh Canadian climate in mind. We created reliable, energy-efficient products that take care of the environment as well as your comfort and peace of mind because your home is at the heart of your well-being. That is the Moovair® Effect.

With over 150k systems installed in Canada to date, Moovair has demonstrated proven performance and a track record of reliability in a growing heat pump market.

Moovair® dealers are supported by The Master Group, Canada's largest independently Canadian owned HVAC-R distributor. The Master Group has always distinguished itself for its extensive inventory, technical expertise and exceptional customer service.



Mooving Forward, Together.

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Product specifications may change without notice. Images shown are for illustration purposes only and may not represent the exact product model or configuration available

